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<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER 100717-689 WCG
INTERNATIONAL APPLICATION NO. PCT/EP2005/001227	INTERNATIONAL FILING DATE 8 FEBRUARY 2005 (8.02.2005)	U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/587404</b>
PRIORITY DATE CLAIMED 17 FEBRUARY 2004 (17.02.2004)		
TITLE OF INVENTION <b>MICROMIXER</b>		
APPLICANT(S) FOR DO/EO/US Wolfgang EHRENFELD, Frank HERBSTRITT and Till MERKEL		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))           <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ul> </p> <p>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))           <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ul> </p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))           <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ul> </p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
Items 11 to 20 below concern document(s) or information included:		
<p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment.</p> <p>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.</p> <p>18. <input checked="" type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input checked="" type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p>		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to be (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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The fee is \$250 for each additional 50 sheets of paper or fraction thereof.         </td> </tr> <tr> <td>Total Sheets</td> <td>Extra Sheets</td> <td>Number of each additional 50 or fraction thereof (round up to a whole number)</td> <td colspan="2">RATE</td> </tr> <tr> <td>- 100 =</td> <td>0 /50 =</td> <td>0</td> <td colspan="2">x \$250</td> </tr> <tr> <td colspan="5">Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).</td> </tr> <tr> <td colspan="2">CLAIMS</td> <td>NUMBER FILED</td> <td>NUMBER EXTRA</td> <td>RATE</td> </tr> <tr> <td colspan="2">Total claims</td> <td>- 20 =</td> <td></td> <td>x \$ 50</td> </tr> <tr> <td colspan="2">Independent claims</td> <td>- 3 =</td> <td></td> <td>x \$200</td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td></td> <td>+ \$360</td> </tr> <tr> <td colspan="5"><b>TOTAL OF ABOVE CALCULATIONS =</b></td> </tr> <tr> <td colspan="5"> <input type="checkbox"/> Applicant claims small entity status. 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10/587404

IAP11 Rec'd PCT/PTO 26 JUL 2008

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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- a.  A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.
- b.  Please charge my Deposit Account No. 14-1263 in the amount of \$ 900.00 to cover the above fees. A duplicate copy of this sheet is enclosed.
- c.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1263. A duplicate copy of this sheet is enclosed.
- d.  Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.**

SEND ALL CORRESPONDENCE TO:

WILLIAM C. GERSTENZANG  
Customer No. 27386

NORRIS, McLAUGHLIN & MARCUS, P.A.  
875 Third Avenue, 18th Floor  
New York, New York 10022



SIGNATURE

WILLIAM C. GERSTENZANG

NAME

27,552

REGISTRATION NUMBER

10/587 404  
IAP11 Rec'd PCT/PTO 26 JUL 2006

Attorney Docket No. 100717-689 - WCG

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT : Wolfgang EHRFELD et al  
SERIAL NO. : To Be Assigned [This is a 371 of PCT/EP2005/001227]  
CUSTOMER NO. : 27386  
FILED : Herewith  
FOR : MICROMIXER  
EXAMINER : To Be Assigned

EXPRESS MAIL CERTIFICATE

“Express Mail” mailing label number EV 690630349 US  
Date of Deposit July 26, 2006

I hereby certify that the following items:

1. Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C. 371 in duplicate - **CHARGE DEPOSIT ACCOUNT**
2. Application Data Sheet
3. Specification consisting of description (pages 1-16); 13 Claims (pages 17-18); 12 Sheets of drawings (12 pages)
4. Preliminary Amendment
5. Information Disclosure Statement
6. Form PTO/SB/08 and copies of cited references
7. Copy of International Search Report
8. Return Receipt Postcard

are being deposited with the United States Postal Services “Express Mail Post Office to Addressee” service under 37 CFR 1.10 on the date indicated above and is addressed to the: Mail Stop PCT, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

NORRIS, McLAUGHLIN & MARCUS, P.A.

By Laurie Olds  
Laurie Olds

**CERTIFICATE OF EXPRESS MAILING**

I hereby certify that this paper and every paper referred to therein as being enclosed is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service in an envelope addressed to: Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date below.

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Date: July 26, 2006  
By: Laurie Olds  
Laurie Olds

Attorney Docket No. 100717-689 -WCG

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ART UNIT : To Be Assigned  
EXAMINER : To Be Assigned

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Alexandria, VA 22313-1450

**TRANSMITTAL OF FORMAL DRAWINGS**

Sir:

Submitted herewith for entry and approval are twelve (12) sheets of formal drawings (Fig. 1 - Fig.11) in the above-referenced application. Each sheet of drawing indicates the identifying indica suggested in 37 CFR § 1.84(c).

Respectfully submitted,

NORRIS, McLAUGHLIN & MARCUS, P.A.

By William C. Gerstenzang

William C. Gerstenzang, Reg. No. 27,552  
Attorney for Applicant(s)  
875 Third Avenue - 18<sup>th</sup> Floor  
New York, New York 10022  
Phone: (212) 808-0700